

Who is currently living with HIV/AIDS? Detailed data tables and technical notes

Erratum: An error occurred in Table 6 of this document when it was released in December 2005. The error in the breakdown of the Total Heterosexual Sex category has been corrected in this version.

Technical notes:

These data represent only those individuals who tested positive for HIV, have sought medical care *and* have been reported to the HIV/AIDS Surveillance Program. Individuals who are unaware of their status, not in care, or not reported are not reflected.

The profile of people living with HIV/AIDS presented in “*Who is currently living with HIV/AIDS?*” can be used as an indicator of individuals who are utilizing and/or eligible for HIV services, as well as the pool of individuals who are at risk of transmitting HIV infection to others. These data can be used to inform HIV care, treatment and support service planning as well as the planning of prevention programs for people living with HIV/AIDS. Such prevention programs are designed to support people living with HIV/AIDS in their efforts to live longer and healthier lives, as well as to reduce behaviors that may put themselves or others at risk for further HIV transmission.

Please note that previous editions of the Epidemiologic Profile presented people living with HIV/AIDS as of July 1st whereas this edition presents people living with HIV/AIDS as of December 31st to be consistent with national practice.

Table 1. People living with HIV/AIDS on December 31, 2004 by gender, race/ethnicity, place of birth and health service region (HSR): Massachusetts

People Living with HIV/AIDS on 12/31/04		
Gender:	N	%
Male	10,871	71%
Female	4,418	29%
Race/Ethnicity:	N	%
White (non-Hispanic)	7,013	46%
Black (non-Hispanic)	4,191	27%
Hispanic	3,789	25%
Asian/Pacific Islander	177	1%
American Indian/Alaska Native	22	<1%
Other/Unknown	97	1%
Place of Birth:	N	%
US	10,718	70%
Puerto Rico/US Dependency ¹	1,872	12%
Non-US	2,699	18%
Health Service Region²:	N	%
Boston HSR	4,985	33%
Central HSR	1,347	9%
Metro West HSR	1,872	12%
Northeast HSR	2,170	14%
Southeast HSR	2,130	14%
Western HSR	1,786	12%
Prison ³	991	6%
TOTAL⁴	15,289	100%

¹ Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.

² Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

³ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility.

⁴ Total includes 125 people living with HIV/AIDS with unknown HSR; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 2. People living with HIV/AIDS on December 31, 2004 by gender and race/ethnicity: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	5,660	52%	1,353	31%
Black Non-Hispanic	2,461	23%	1,730	39%
Hispanic	2,546	23%	1,243	28%
Asian/Pacific Islander	134	1%	43	1%
American Indian/Alaska Native	10	<1%	12	<1%
Not Specified	60	1%	37	1%
Total	10,871	100%	4,418	100%

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 3. People living with HIV/AIDS on December 31, 2004 by race/ethnicity and place of birth: Massachusetts

Race/Ethnicity:	US		Puerto Rico/ US Dependency ¹		Non-US		Total
	N	%	N	%	N	%	N
White NH	6,671	95%	21	<1%	321	5%	7,013
Black NH	2,581	62%	18	<1%	1,592	38%	4,191
Hispanic	1,325	35%	1,833	48%	631	17%	3,789
API	41	23%	0	0%	136	77%	177
AI/AN	21	95%	0	0%	1	5%	22
Other/Unknown	79	81%	0	0%	18	19%	97

¹ Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.
 NH= Non-Hispanic, API=Asian/Pacific Islander, AI/AN=American Indian/Alaska Native
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 4. People living with HIV/AIDS on December 31, 2004 by gender and place of birth: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
United States (US)	7,977	73%	2,741	62%
Puerto Rico/US Dependency ¹	1,280	12%	592	13%
Non-US	1,614	15%	1,085	25%
Total	10,871	100%	4,418	100%

¹ Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 5. People living with HIV/AIDS on December 31, 2004 by current age and gender: Massachusetts

Age in years	Male		Female		State Total	
	N	%	N	%	N	%
Under 13	54	<1%	49	1%	103	1%
13 to 19	87	1%	73	2%	160	1%
20 to 24	109	1%	88	2%	197	1%
25 to 29	263	2%	245	6%	508	3%
30 to 34	742	7%	487	11%	1,229	8%
35 to 39	1,749	16%	844	19%	2,593	17%
40 to 44	2,667	25%	1,007	23%	3,674	24%
45 to 49	2,347	22%	810	18%	3,157	21%
50+	2,853	26%	815	18%	3,668	24%
Total	10,871	100%	4,418	100%	15,289	100%

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 6. People living with HIV/AIDS on December 31, 2004 by exposure mode: Massachusetts

HIV/AIDS		
Exposure Mode:	N	%
Male-to-male sex (MSM)	5,003	33%
Injection Drug Use (IDU)	4,288	28%
MSM/IDU	479	3%
Receipt of Blood/Blood products	127	1%
Pediatric	278	2%
Total Heterosexual Sex (HTSX)	2,056	13%
• HTSX w/ an Injection Drug User	879	6%
• HTSX w/Bisexual male	32	<1%
• Other HTSX ¹	25	<1%
• HTSX w/ a person w/ HIV or AIDS	1,120	7%
Total Undetermined/Other	3,058	20%
• Presumed Heterosexual - Unknown risk of partner	2,235	15%
• Undetermined/Other ²	823	5%
TOTAL	15,289	100%

¹ Includes heterosexual sex with a person with hemophilia/coagulation disorder, transfusion recipient with documented HIV infection, or transplant recipient with documented HIV infection

² Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known not to have reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual” cases as “no identified risk”. As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 7. People living with HIV/AIDS on December 31, 2004 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	5,003	46%	N/A	N/A
Injection drug use (IDU)	2,900	27%	1,388	31%
MSM/IDU	479	4%	N/A	N/A
Heterosexual sex	622	6%	1,434	32%
Other	231	2%	176	4%
Total Undetermined	1,636	15%	1,420	32%
• Presumed heterosexual sex ¹	1,064	10%	1,171	27%
• Undetermined ²	572	5%	249	6%
Total	10,871	100%	4,418	100%

¹ Heterosexual sex with partners with unknown risk and HIV status² Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 8. People living with HIV/AIDS on December 31, 2004 by race/ethnicity¹ and exposure mode: Massachusetts

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
MSM	3,741	53%	576	14%	585	15%	66	37%
IDU	1,629	23%	1,020	24%	1,609	42%	7	4%
MSM/IDU	288	4%	94	2%	94	2%	1	1%
HTSX	507	7%	754	18%	748	20%	28	16%
Other	144	2%	137	3%	121	3%	5	3%
Total Undetermined	704	11%	1,610	39%	632	16%	70	39%
• Pres. HTSX ²	456	7%	1250	30%	465	12%	43	24%
• Undetermined ³	248	4%	360	9%	167	4%	27	15%
Total	7,013	100%	4,191	100%	3,789	100%	177	100%

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers² Heterosexual sex with partners with unknown risk and HIV status³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 9. Males living with HIV/AIDS on December 31, 2004 by race/ethnicity¹ and exposure mode: Massachusetts

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
MSM	3,741	66%	576	23%	585	23%	66	49%
IDU	950	17%	695	28%	1,239	49%	5	4%
MSM/IDU	288	5%	94	4%	94	4%	1	1%
HTSX	138	2%	256	10%	215	8%	9	7%
Other	92	2%	72	3%	66	3%	1	1%
Total Undetermined	451	7%	768	31%	347	13%	52	39%
• Pres. HTSX ²	253	4%	536	22%	235	9%	32	24%
• Undetermined ³	198	3%	232	9%	112	4%	20	15%
Total	5,660	100%	2,461	100%	2,546	100%	134	100%

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, MSM = Male-to-male sex, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 10. Females living with HIV/AIDS on December 31, 2004 by race/ethnicity¹ and exposure mode: Massachusetts

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
IDU	679	50%	325	19%	370	30%	-- ²	-- ²
HTSX	369	27%	498	29%	533	43%	19	44%
Other	52	4%	65	4%	55	4%	-- ²	-- ²
Total Undetermined	253	19%	842	48%	285	23%	18	42%
• Pres. HTSX ³	203	15%	714	41%	230	19%	11	26%
• Undetermined ⁴	50	4%	128	7%	55	4%	7	16%
Total	1,353	100%	1,730	100%	1,243	100%	43	100%

¹ Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

² Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

³ Heterosexual sex with partners with unknown risk and HIV status

⁴ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, IDU = Injection Drug Use, HTSX = Heterosexual Sex, P. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05

Table 11. People living with HIV/AIDS on December 31, 2004 by Health Service Region (HSR)¹ and gender: Massachusetts

Health Service Region	Male		Female		Total
	N	%	N	%	N
Boston HSR	3,783	76%	1,202	24%	4,985
Central HSR	823	61%	524	39%	1,347
Metro West HSR	1,336	71%	536	29%	1,872
Northeast HSR	1,473	68%	697	32%	2,170
Southeast HSR	1,505	71%	625	29%	2,130
Western HSR	1,100	62%	686	38%	1,786
Prison ²	846	85%	145	15%	991
MA Total³	10,871	71%	4,418	29%	15,289

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

³ MA Total includes 8 people living with HIV/AIDS with unknown residence at time of report

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding)

Table 12. People living with HIV/AIDS on December 31, 2004 by Health Service Region (HSR)¹ and race/ethnicity: Massachusetts

HSR	White NH	Black NH	Hispanic	API	AI/AN	Total
Boston HSR	43%	38%	18%	1%	<1%	4,985
Central HSR	46%	19%	34%	1%	<1%	1,347
Metrowest HSR	54%	33%	11%	2%	0%	1,872
Northeast HSR	49%	19%	29%	3%	<1%	2,170
Southeast HSR	66%	19%	14%	<1%	<1%	2,130
Western HSR	29%	19%	51%	<1%	<1%	1,786
Prison ²	30%	27%	42%	<1%	<1%	991

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, NH= Non-Hispanic; Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 7/1/05

Table 13. People living with HIV/AIDS on December 31, 2004 by Health Service Region (HSR)¹ and exposure mode: Massachusetts

HSR	MSM	IDU	MSM/ IDU	HTSX	Other	Pres. HTSX	NIR	Total
Boston HSR	45%	18%	3%	11%	2%	15%	5%	4,985
Central HSR	20%	37%	3%	18%	4%	14%	4%	1,347
Metrowest HSR	38%	17%	3%	11%	3%	21%	8%	1,872
Northeast HSR	30%	25%	3%	15%	3%	18%	7%	2,170
Southeast HSR	35%	29%	3%	15%	3%	10%	5%	2,130
Western HSR	20%	36%	3%	19%	3%	14%	5%	1,786
Prison ²	5%	74%	4%	6%	<1%	7%	3%	991

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions

² HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility;

MSM = male-to-male sex; IDU = injection drug use; MSM/IDU = male-to-male sex and injection drug use; HTSX = heterosexual sex; Pres. HTSX = presumed heterosexual; NIR = No Identified Risk

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 7/1/05